List of Publications by Year in descending order

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LUKASZ KOVCH

#	Article	IF	CITATIONS
1	Early life treatment with vancomycin propagates Akkermansia muciniphila and reduces diabetes incidence in the NOD mouse. Diabetologia, 2012, 55, 2285-2294.	6.3	441
2	Gut Microbiota Composition Is Correlated to Grid Floor Induced Stress and Behavior in the BALB/c Mouse. PLoS ONE, 2012, 7, e46231.	2.5	254
3	Quantitatively Different, yet Qualitatively Alike: A Meta-Analysis of the Mouse Core Gut Microbiome with a View towards the Human Gut Microbiome. PLoS ONE, 2013, 8, e62578.	2.5	182
4	Potential of Pectins to Beneficially Modulate the Gut Microbiota Depends on Their Structural Properties. Frontiers in Microbiology, 2019, 10, 223.	3.5	171
5	Understanding the prebiotic potential of different dietary fibers using an in vitro continuous adult fermentation model (PolyFermS). Scientific Reports, 2018, 8, 4318.	3.3	125
6	A Possible Link between Food and Mood: Dietary Impact on Gut Microbiota and Behavior in BALB/c Mice. PLoS ONE, 2014, 9, e103398.	2.5	124
7	Gut microbial markers are associated with diabetes onset, regulatory imbalance, and IFN-γ level in NOD Mice. Gut Microbes, 2015, 6, 101-109.	9.8	122
8	A Maternal Gluten-Free Diet Reduces Inflammation and Diabetes Incidence in the Offspring of NOD Mice. Diabetes, 2014, 63, 2821-2832.	0.6	93
9	Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial. Journal of Nutrition, 2019, 149, 2174-2181.	2.9	86
10	A polyphenol-enriched diet and Ascaris suum infection modulate mucosal immune responses and gut microbiota composition in pigs. PLoS ONE, 2017, 12, e0186546.	2.5	82
11	Have you tried spermine? A rapid and cost-effective method to eliminate dextran sodium sulfate inhibition of PCR and RT-PCR. Journal of Microbiological Methods, 2018, 144, 1-7.	1.6	81
12	Early gradual feeding with bovine colostrum improves gut function and NEC resistance relative to infant formula in preterm pigs. American Journal of Physiology - Renal Physiology, 2015, 309, G310-G323.	3.4	80
13	Mode of Delivery Shapes Gut Colonization Pattern and Modulates Regulatory Immunity in Mice. Journal of Immunology, 2014, 193, 1213-1222.	0.8	76
14	Characterization of the gut microbiota in leptin deficient obese mice – Correlation to inflammatory and diabetic parameters. Research in Veterinary Science, 2014, 96, 241-250.	1.9	75
15	Impact of the gut microbiota on rodent models of human disease. World Journal of Gastroenterology, 2014, 20, 17727-17736.	3.3	69
16	Beyond genetics. Influence of dietary factors and gut microbiota on type 1 diabetes. FEBS Letters, 2014, 588, 4234-4243.	2.8	66
17	Prebiotic Effect of Lycopene and Dark Chocolate on Gut Microbiome with Systemic Changes in Liver Metabolism, Skeletal Muscles and Skin in Moderately Obese Persons. BioMed Research International, 2019, 2019, 1-15.	1.9	60
18	Investigating the long-term effect of subchronic phencyclidine-treatment on novel object recognition and the association between the gut microbiota and behavior in the animal model of schizophrenia. Physiology and Behavior, 2015, 141, 32-39.	2.1	56

LUKASZ KRYCH

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19	Lacto-fermented sauerkraut improves symptoms in IBS patients independent of product pasteurisation – a pilot study. Food and Function, 2018, 9, 5323-5335.	4.6	56
20	Sensitivity to oxazolone induced dermatitis is transferable with gut microbiota in mice. Scientific Reports, 2017, 7, 44385.	3.3	52
21	Introducing enteral feeding induces intestinal subclinical inflammation and respective chromatin changes in preterm pigs. Epigenomics, 2015, 7, 553-565.	2.1	51
22	Linking cocoa varietals and microbial diversity of Nicaraguan fine cocoa bean fermentations and their impact on final cocoa quality appreciation. International Journal of Food Microbiology, 2019, 304, 106-118.	4.7	49
23	Gut microbiota regulates NKG2D ligand expression on intestinal epithelial cells. European Journal of Immunology, 2013, 43, 447-457.	2.9	47
24	Whole-Grain Rye and Wheat Affect Some Markers of Gut Health without Altering the Fecal Microbiota in Healthy Overweight Adults: A 6-Week Randomized Trial. Journal of Nutrition, 2017, 147, 2067-2075.	2.9	46
25	Dietary cinnamaldehyde enhances acquisition of specific antibodies following helminth infection in pigs. Veterinary Immunology and Immunopathology, 2017, 189, 43-52.	1.2	46
26	Cheese brines from Danish dairies reveal a complex microbiota comprising several halotolerant bacteria and yeasts. International Journal of Food Microbiology, 2018, 285, 173-187.	4.7	43
27	Targeting gut microbiota and barrier function with prebiotics to alleviate autoimmune manifestations in NOD mice. Diabetologia, 2019, 62, 1689-1700.	6.3	43
28	C57BL/6J substrain differences in response to high-fat diet intervention. Scientific Reports, 2020, 10, 14052.	3.3	41
29	Physical fitness in communityâ€dwelling older adults is linked to dietary intake, gut microbiota, and metabolomic signatures. Aging Cell, 2020, 19, e13105.	6.7	41
30	Synbiotic <i>Lactobacillus acidophilus</i> NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial. FEMS Microbiology Ecology, 2014, 90, 225-236.	2.7	40
31	Phytase-producing capacity of yeasts isolated from traditional African fermented food products and PHYPk gene expression of Pichia kudriavzevii strains. International Journal of Food Microbiology, 2015, 205, 81-89.	4.7	37
32	Cesarean Section Induces Microbiota-Regulated Immune Disturbances in C57BL/6 Mice. Journal of Immunology, 2019, 202, 142-150.	0.8	34
33	Gastrointestinal toxicity during induction treatment for childhood acute lymphoblastic leukemia: The impact of the gut microbiota. International Journal of Cancer, 2020, 147, 1953-1962.	5.1	32
34	Fermentation of African kale (Brassica carinata) using L. plantarum BFE 5092 and L. fermentum BFE 6620 starter strains. International Journal of Food Microbiology, 2016, 238, 103-112.	4.7	30
35	Long-term Western diet fed apolipoprotein E-deficient rats exhibit only modest early atherosclerotic characteristics. Scientific Reports, 2018, 8, 5416.	3.3	30
36	Restitution of gut microbiota in Ugandan children administered with probiotics (<i>Lactobacillus) Tj ETQq0 0 0 r</i>	gBT /Over 9.8	lock 10 Tf 50 30

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37	A Review of Applied Aspects of Dealing with Gut Microbiota Impact on Rodent Models. ILAR Journal, 2015, 56, 250-264.	1.8	28
38	Impact of Early Exposure to Cefuroxime on the Composition of the Gut Microbiota in Infants Following Cesarean Delivery. Journal of Pediatrics, 2019, 210, 99-105.e2.	1.8	27
39	Minimal short-term effect of dietary 2'-fucosyllactose on bacterial colonisation, intestinal function and necrotising enterocolitis in preterm pigs. British Journal of Nutrition, 2016, 116, 834-841.	2.3	26
40	The effect of early probiotic exposure on the preterm infant gut microbiome development. Gut Microbes, 2021, 13, 1951113.	9.8	26
41	A high-throughput qPCR system for simultaneous quantitative detection of dairy Lactococcus lactis and Leuconostoc bacteriophages. PLoS ONE, 2017, 12, e0174223.	2.5	26
42	Effect of potato fiber on survival of Lactobacillus species at simulated gastric conditions and composition of the gut microbiota in vitro. Food Research International, 2019, 125, 108644.	6.2	25
43	TL1A regulates TCRÎ ³ δ ⁺ intraepithelial lymphocytes and gut microbial composition. European Journal of Immunology, 2015, 45, 865-875.	2.9	23
44	Metagenomic Analysis of Dairy Bacteriophages: Extraction Method and Pilot Study on Whey Samples Derived from Using Undefined and Defined Mesophilic Starter Cultures. Applied and Environmental Microbiology, 2017, 83, .	3.1	23
45	Dietary Inulin and Trichuris suis Infection Promote Beneficial Bacteria Throughout the Porcine Gut. Frontiers in Microbiology, 2020, 11, 312.	3.5	22
46	Fermentable Dietary Fiber Promotes Helminth Infection and Exacerbates Host Inflammatory Responses. Journal of Immunology, 2020, 204, 3042-3055.	0.8	21
47	Treatment with a Monoclonal Anti-IL-12p40 Antibody Induces Substantial Gut Microbiota Changes in an Experimental Colitis Model. Gastroenterology Research and Practice, 2016, 2016, 1-12.	1.5	20
48	Provision of Amniotic Fluid During Parenteral Nutrition Increases Weight Gain With Limited Effects on Gut Structure, Function, Immunity, and Microbiology in Newborn Preterm Pigs. Journal of Parenteral and Enteral Nutrition, 2016, 40, 552-566.	2.6	20
49	Dietary prebiotics promote intestinal Prevotella in association with a low-responding phenotype in a murine oxazolone-induced model of atopic dermatitis. Scientific Reports, 2020, 10, 21204.	3.3	17
50	Impact of Dietary Supplementation of Lactic Acid Bacteria Fermented Rapeseed with or without Macroalgae on Performance and Health of Piglets Following Omission of Medicinal Zinc from Weaner Diets. Animals, 2020, 10, 137.	2.3	17
51	The effect of Lactobacillus paracasei subsp. paracasei L. casei W8® on blood levels of triacylglycerol is independent of colonisation. Beneficial Microbes, 2015, 6, 263-269.	2.4	16
52	Supplementation of a lacto-fermented rapeseed-seaweed blend promotes gut microbial- and gut immune-modulation in weaner piglets. Journal of Animal Science and Biotechnology, 2021, 12, 85.	5.3	16
53	Oral LPS Dosing Induces Local Immunological Changes in the Pancreatic Lymph Nodes in Mice. Journal of Diabetes Research, 2019, 2019, 1-9.	2.3	15
54	Colonization ofCutibacterium avidumduring infant gut microbiota establishment. FEMS Microbiology Ecology, 2019, 95, .	2.7	15

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55	Cesarean section increases sensitivity to oxazolone-induced colitis in C57BL/6 mice. Mucosal Immunology, 2019, 12, 1348-1357.	6.0	14
56	Immunological effects of reduced mucosal integrity in the early life of BALB/c mice. PLoS ONE, 2017, 12, e0176662.	2.5	14
57	Effect of the dietary polyacetylenes falcarinol and falcarindiol on the gut microbiota composition in a rat model of colorectal cancer. BMC Research Notes, 2018, 11, 411.	1.4	12
58	Gut microbiota recovery and immune response in ampicillin-treated mice. Research in Veterinary Science, 2018, 118, 357-364.	1.9	10
59	The phytonutrient cinnamaldehyde limits intestinal inflammation and enteric parasite infection. Journal of Nutritional Biochemistry, 2022, 100, 108887.	4.2	10
60	Gluten-free diet reduces autoimmune diabetes mellitus in mice across multiple generations in a microbiota-independent manner. Journal of Autoimmunity, 2022, 127, 102795.	6.5	9
61	Selective inbreeding does not increase gut microbiota similarity in BALB/c mice. Laboratory Animals, 2012, 46, 335-337.	1.0	8
62	TL1A Aggravates Cytokine-Induced Acute Gut Inflammation and Potentiates Infiltration of Intraepithelial Natural Killer Cells in Mice. Inflammatory Bowel Diseases, 2019, 25, 510-523.	1.9	8
63	A Humanized Diet Profile May Facilitate Colonization and Immune Stimulation in Human Microbiota-Colonized Mice. Frontiers in Microbiology, 2020, 11, 1336.	3.5	8
64	Delayed Gut Colonization Shapes Future Allergic Responses in a Murine Model of Atopic Dermatitis. Frontiers in Immunology, 2021, 12, 650621.	4.8	8
65	Changes in Gut Microbiota Prior to Influenza A Virus Infection Do Not Affect Immune Responses in Pups or Juvenile Mice. Frontiers in Cellular and Infection Microbiology, 2018, 8, 319.	3.9	7
66	DNA enrichment and tagmentation method for species-level identification and strain-level differentiation using ON-rep-seq. Communications Biology, 2019, 2, 369.	4.4	7
67	Bacterial species to be considered in quality assurance of mice and rats. Laboratory Animals, 2019, 53, 281-291.	1.0	7
68	Severe gut microbiota dysbiosis caused by malnourishment can be partly restored during 3 weeks of refeeding with fortified corn-soy-blend in a piglet model of childhood malnutrition. BMC Microbiology, 2019, 19, 277.	3.3	7
69	The Gut Microbiome and Abiotic Factors as Potential Determinants of Postprandial Glucose Responses: A Single-Arm Meal Study. Frontiers in Nutrition, 2020, 7, 594850.	3.7	7
70	An Oligosaccharide Rich Diet Increases Akkermansia spp. Bacteria in the Equine Microbiota. Frontiers in Microbiology, 2021, 12, 666039.	3.5	7
71	Parasite-Probiotic Interactions in the Gut: Bacillus sp. and Enterococcus faecium Regulate Type-2 Inflammatory Responses and Modify the Gut Microbiota of Pigs During Helminth Infection. Frontiers in Immunology, 2021, 12, 793260.	4.8	7
72	Dietary proanthocyanidins promote localized antioxidant responses in porcine pulmonary and gastrointestinal tissues during <i>Ascaris suum</i> â€induced type 2 inflammation. FASEB Journal, 2022, 36, e22256.	0.5	7

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73	Preterm Birth Has Effects on Gut Colonization in Piglets Within the First 4 Weeks of Life. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 727-733.	1.8	6
74	Effects of delivery mode on behavior in mouse offspring. Physiology and Behavior, 2021, 230, 113285.	2.1	6
75	Oral insulin does not alter gut microbiota composition of NOD mice. Diabetes/Metabolism Research and Reviews, 2018, 34, e3010.	4.0	5
76	Gut colonization in preterm infants supplemented with bovine colostrum in the first week of life: An explorative pilot study. Journal of Parenteral and Enteral Nutrition, 2022, 46, 592-599.	2.6	5
77	Histamine-forming ability of Lentilactobacillus parabuchneri in reduced salt Cheddar cheese. Food Microbiology, 2021, 98, 103789.	4.2	5
78	ONâ€repâ€seq as a rapid and costâ€effective alternative to wholeâ€genome sequencing for speciesâ€level identification and strainâ€level discrimination of <i>Listeria monocytogenes</i> contamination in a salmon processing plant. MicrobiologyOpen, 2021, 10, e1246.	3.0	5
79	Postnatal Administration of <i>Lactobacillus rhamnosus</i> HN001 Ameliorates Perinatal Broadâ€Spectrum Antibioticâ€Induced Reduction in Myelopoiesis and T Cell Activation in Mouse Pups. Molecular Nutrition and Food Research, 2018, 62, e1800510.	3.3	3
80	Effect of Early-life Gut Mucosal Compromise on Disease Progression in NOD Mice. Comparative Medicine, 2017, 67, 388-399.	1.0	3
81	Effect of gluten-free diet and antibiotics on murine gut microbiota and immune response to tetanus vaccination. PLoS ONE, 2022, 17, e0266719.	2.5	3
82	IDDF2020-ABS-0174â€Onset of hypertriglyceridemia in relation to dietary intake, gut microbiome and metabolomics signatures among home dwelling elderly. , 2020, , .		2
83	Colonic Lesions, Cytokine Profiles, and Gut Microbiota in Plasminogen-Deficient Mice. Comparative Medicine, 2015, 65, 382-97.	1.0	Ο